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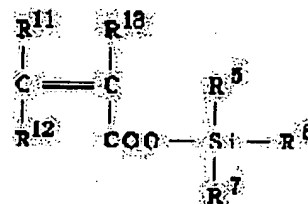
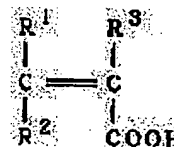
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## (54) PRODUCTION OF POLYMERIZABLE TRIORGANOSILYL UNSATURATED CARBOXYLATE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject compound in high purity and yield by reacting a specific unsaturated carboxylic acid with a specific triorganosilane in the presence of at least one kind of catalyst selected from copper and copper compounds.

SOLUTION: This compound of formula III (R11 and R12 are each H, methyl, etc.; R13 is H, methyl, etc.) is obtained by reacting an unsaturated carboxylic acid (e.g. acrylic acid, methacrylic acid) of formula I (R1 and R2 are each H, methyl, etc.; R3 is H, methyl, etc.) having 0.5-3 molar equivalents of carboxyl group with a triorganosilane of formula II (R5 and R6 are each



an alkyl, cycloalkyl, aryl, etc.) in the presence of at least one kind of catalyst selected from among copper and copper compounds (e.g. copper oxide, copper suboxide, copper hydroxide, copper carboxylate, copper alkoxide, etc.) at 0.005-0.5mol, in terms of copper element, per mole of the organosilane at -20 to 250°C, in an industrially advantageous way, with no reduction of the double bond of the polymerizable unsaturated carboxylic acid.

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#### LEGAL STATUS

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